

20000522.ba v02_n898.bam.20000522

>From ???@??? Mon May 22 12:13:15 2000 -0500
Message-Id: <200005221711.e4MHBks21658@sco.theporch.com>
Date: Mon, 22 May 2000 12:11:14 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2898

BOATANCHORS Digest 2898

Topics covered in this issue include:

- 1) Re: Boeing 307 restoration
by "Prof. Arthur I. Larky" <ail0@lehigh.edu>
- 2) Re: 75A-4 schematic
by knepper <knepper@lenzlink.net>
- 3) Re: OS-8's
by "Steve" <scb@fly.hiwaay.net>
- 4) Re: Boeing 307 restoration
by "Hue Miller" <kargokult@proaxis.com>
- 5) Re: 1 Fine book by Mary T. Loomis
by "Hue Miller" <kargokult@proaxis.com>
- 6) Re: 1 Fine book by Mary T. Loomis
by Ron Hershey <rhershey1@uswest.net>
- 7) Re: 1 Fine book by Mary T. Loomis
by "Frank Townsend" <ftownsen@iamdigex.net>
- 8) Re: SS Rectifier replacement question
by "Barry L. Ornitz" <ornitz@tricon.net>
- 9) Re: Relays
by Jderm740@aol.com
- 10) Re: 1 Fine book by Mary T. Loomis
by W0EOM@aol.com
- 11) Re: 1 Fine book by Mary T. Loomis
by john <johnmb@mindspring.com>
- 12) name this variable cap. ?
by "Hue Miller" <kargokult@proaxis.com>
- 13) Re: early Ocean Hopper
by "Hue Miller" <kargokult@proaxis.com>
- 14) Help with old regen circuit
by "Hue Miller" <kargokult@proaxis.com>
- 15) Re: name this variable cap. ?
by William Donzelli <aw288@osfn.org>
- 16) Breting RX
by "Robert G. Flory" <RobandPJ@compuserve.com>
- 17) DZ-2 aka name this variable C ?
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
- 18) Ocean Hopper

- by Arden Allen <gumbear@pacbell.net>
- 19) Re: Ocean Hopper
by "Grant Youngman" <nq5t@home.com>
- 20) Dayton Report
by tony@bright.net
- 21) Re: Relays
by Bob Roehrig <broehrig@admin.aurora.edu>
- 22) FS: 1927 Test Box
by Merz Donald S <merz.ds@mellon.com>
- 23) FS: 1927 Test Box
by Merz Donald S <merz.ds@mellon.com>

Message-ID: <3927E718.4788@lehigh.edu>
Date: Sun, 21 May 2000 13:39:36 +0000
From: "Prof. Arthur I. Larky" <ail0@lehigh.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
Subject: Re: Boeing 307 restoration
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hue Miller wrote:

>
> At an antique radio swap today i met a couple
> fellows working on aircraft restorations. I was
> slightly surprised to learn that a BC-375 i sold
> some years back went into a B-17 restoration
> by Boeing (and/or the Aviation Museum in
> Seattle?). Also one fellow is working on a
> Boeing 307, the work is apparently being
> done at the "Lazy B Ranch", (Boeing factory),
> where Boeing is committed to restoring the
> aircraft (restoring it for Smithsonian?) by
> application of Boeing resources without any
> accounting-telltale application of Boeing's
> green money.
>> Hue Miller at Albany, Oregon
I saw in the paper yesterday that Boeing is restoring a B-29 with a
combination of volunteer help and Boeing money. I wonder what they are
doing about BA's?
Art K3HBA

Message-ID: <3928262F.BE847CC3@lenzlink.net>
Date: Sun, 21 May 2000 14:08:47 -0400
From: knepper <knepper@lenzlink.net>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 75A-4 schematic
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just got back from Dayton a few hours ago. As for manuals, I am happy to recommend Alvin J. Bernard, NI4Q, from Orlando who reproduces, in my humble opinion, the BEST reproduction manuals that I have ever inspected. Al can reproduce about any make from Collins to RME, Heath, etc. I saw his Collins manuals and they were as near original as I have ever seen. The schematics were absolutely flawless. Highly recommended. Contact Dr. Al at (407) 351-5536 or ni4q@juno.com. Please tell him that I referred you to him. He is not mass producing manuals but is meticulous on a low production basis. The covers are super, too. He has been doing manuals on a private basis. He showed me an endorsement page, both sides, of many satisfied customers. I know where I am going to go for manual, now!

What more can I say. We will have more to say about this newly discovered asset to our hobby in the Collins Journal. Thank you.

BrRonK777@aol.com wrote:

>
> Hi Dave,
>
> Any idea of where I can get a schematic for my 75A-4?
>
> mny tn timer 73, Ron K -- W1ARS

--
David Knepper - W3ST
Publisher of the Collins Journal
Secretary of the Collins Radio Association
Club Station - W3CRA
<http://www.citipage.com/collins/>

Message-Id: <200005211850.e4LIoYr28832@mail.hiwaay.net>
From: "Steve" <scb@fly.hiwaay.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 21 May 2000 13:40:15 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: OS-8's
CC: Old Tube Radios <boatanchors@theporch.com>

Greetings;

We used OS-8s for gruntwork, like curve tracers and checking power supply rails in my shop for years. The resistors in many of them were inferior quality but caps, tubes, ect seemed fine and they aren't that hard to fix. Durable, cool running and very small "footprint" on the bench as well. Fine for long service where a "good" scope (like my Tek 310-A) is vastly overqualified and wasted.

Regards; Steve

Message-ID: <016d01bfc35f\$f64b4260\$309aa3ce@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Boeing 307 restoration
Date: Sun, 21 May 2000 13:05:48 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Prof. Arthur I. Larky <ail0@lehigh.edu>
| I saw in the paper yesterday that Boeing is restoring a B-29 with a
| combination of volunteer help and Boeing money. I wonder what they are
| doing about BA's?
| Art K3HBA

I did not know this was going on. I have
(somewhere) (already!) the email address
of one of the fellows i met, and will try to
get info. In the case of the B-17 they
restored, one fellow who was more into
radio, and knew what was needed, did the
scrounging, and i believe he used his own
money.

The 307 apparently recently was flyable,
and will be flown back to the Smithsonian.
I do not know if it will be flown thereafter,
cuz i was told the Smith is building some
new large building or addition for it. I have
always thot it would be just great if during
such a flight, the original gear is operated
in 2-way with classic-radio nuts on the
ground, but somehow under the pressures

of time or organization, this doesn't seem to get done.
Mike Feher has a current post about a historical re-enactment he was part of. I like that idea, re-enactment or re-creation. Sounds like a pretty "high concept".
Hue Milller

Message-ID: <018601bfc361\$234a9e40\$309aa3ce@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 1 Fine book by Mary T. Loomis
Date: Sun, 21 May 2000 13:14:14 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Mike B. Feher <n4fs@monmouth.com>

| About 20 years ago the radio club that I belonged to, since we were
| close to the site of Loomis' original experiments, did a re-enactment with
| kites and all and models of his equipment

What a great idea. That would really make some swell photos, and maybe even enough interest that the local press would run an article.

It still took Marconi to properly integrate the
| technology available to him at the time and then to market it adequately
and
| make it be a practical form of communications.
| Mike

Yes. One thing is that around Loomis's time there just didn't seem to be enough other minds working on the problem yet.
Hue Miller

Message-ID: <39285183.C59BBD8C@uswest.net>
Date: Sun, 21 May 2000 14:13:39 -0700
From: Ron Hershey <rhershey1@uswest.net>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 1 Fine book by Mary T. Loomis
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recently picked up a copy of this book myself. The inside front cover is inscribed "Enrique Gorbea, Radio Operator, care Radiomarine Corp of America, 326 Broadway NYC". I couldn't resist it when I saw that.

The most fascinating part of the book to me is the sections on marine and aeronautical installations. There are some great pictures of the radio installations on the dirigible USS Shenandoah, the German airship ZR-11 (later named the Los Angeles), Admiral Byrd's airplane America and many others.

regards,
Ron Hershey

Hue Miller wrote:

>
> Bought this book at a swapmeet. Nonfiction books
> are (mostly) always a good investment, when you
> consider the non-pecuniary, more sublime return.
> This one is <Radio Theory and Operating>, by
> Mary Texanna Loomis, Loomis Publishing Co.,
> 1925, 1926, 1927, and 1928 - altho this is the
> first time i'd seen it. Starts out with some pages
> on Mahlon Loomis (note the last name), who
> in 1865 was the genuine *first* soul to achieve
> wireless, non-conduction method, signalling, and
> inherently the first also to devise the "antenna".
> This book is along the lines of the later books
> by Stirling and Nilsen you've no doubt seen, but
> seems to have more stuff packed into it. The
> (interesting tidbit)/ page ratio is quite high. Just
> flipping thru it you see the (widely reprinted)
> sketches by Mahlon Loomis of the First DXer,
> Control Panel of Sleet Tester at NAA, diathermy
> tube ZT-6 (nice glass), Byrd's Artic expedition
> radio.....and, and, and..... My, my. Certainly
> a bargain at the irrationally low price i paid. Or
> do people shop less for paper nowadays, i mean
> heavily-text-oriented paper? Mary Texanna Loomis,
> my hat's off to you for this 992-page fascinating
> work. I would certainly care to learn more about
> your life's story, and your final resting place. Bless

> you.
> Hue Miller

Message-ID: <011201bfc349\$7ef55720\$27521bd1@study>
From: "Frank Townsend" <ftownsen@iamdigex.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 1 Fine book by Mary T. Loomis
Date: Sun, 21 May 2000 13:23:39 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

She was his granddaughter.

-----Original Message-----
From: Mike B. Feher <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sunday, May 21, 2000 9:09 AM
Subject: Re: 1 Fine book by Mary T. Loomis

>I believe she was related to Mahlon but the exact relationship escapes
me.

Message-ID: <006601bfc37e\$6705eb40\$ed4d62d8@naxs.com>
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: SS Rectifier replacement question
Date: Sun, 21 May 2000 19:43:43 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Al Stephens, N5AIT, asked:

> Following earlier discussions on replacing glass with
> sand the difference in internal resistance was a
> continuing subject. Question: is there a good rule-of-
> thumb, B-flat value of resistor to put in series with
> silicon rectifiers in such a case - specifically for more
> common tubes such as 5U4, 5R4... and in my case 6AX5? Any
> suggestion for such general purpose resistors?

Unfortunately no. The forward resistance of a vacuum diode is approximately proportional to the square root of the current through the diode. You will need to know the type of filter circuit (choke or capacitor input) and the peak (or average current) before you can estimate the resistance of a particular vacuum diode. A graph for over 30 different vacuum diodes is presented by Schade (*), whose article is considered a classic on the subject.

The forward current of an ideal semiconductor diode is an exponential function of the diode's forward voltage. In a real semiconductor diode, the voltage/current relationship may be effectively modeled by adding a small value of resistance in series with an ideal diode. This value is quite small, a small fraction of an ohm in the 1N4000 series of diodes.

To approximate a vacuum diode with a semiconductor diode, additional series resistance must be added as Al notes. However it is important to realize that this approximation holds only for a given diode current. In a power supply for a transmitter or typical receiver, you choose the resistor for the average operating current. But for a Class B audio stage power supply, where the current draw fluctuates widely, you can never completely reproduce the vacuum diode behavior. Typically you would choose the proper series resistance to give the correct voltage at the highest load current. The solid-state circuit will have better regulation.

Another thing to note is that the heat generated by the current flowing through this series resistor is exactly the same as would be produced by the plate resistance of the vacuum diode. The overall heat production would be less, however, because the filament power is no longer needed with the solid-state rectifier.

You can calculate the needed resistance to add to a solid-state diode using the methods detailed by Schade. If you are very familiar with the method, this takes little time. Arden Allen prefers the iterative cut-and-try approach which also works. With capacitor input filters having large values of capacitance, it is important to remember that the RMS (heating) current through the resistor can be several times the average current. So size the resistor properly.

Gas-filled diodes, like the 3B28 Xenon or the 866 Mercury vapor rectifiers have a forward voltage drop that varies

little with current. Solid-state rectifiers can generally replace these with no circuit modifications (just make sure you have a high enough voltage rating).

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

(*) O. H. Schade, "Analysis of Rectifier Operation," Proc. I.R.E., vol. 31, pp. 341-361, July, 1943.

From: Jderm740@aol.com
Message-ID: <14.3e36f82.2659d93b@aol.com>
Date: Sun, 21 May 2000 20:28:43 EDT
Subject: Re: Relays
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Herb

I have been reading about your plight with 24v relays on 12v systems.

In my earlier life (I sound like Shirley McLain) I was an automotive electrician and spent a lot of time working on generators and regulators. I cut my teeth on Model A's and other 1930 autos. Then progressed to cars of the 1950s and 60s. All of these used 3 unit regulators, except the early 30s models. Those had two unit or just cutouts. In the three unit types we had to adjust two of the coils, voltage and amperage, by changing the tension of the relay spring. Tighter raised the output and slacker lowered the output. All that said here is my suggestion.

If you can get to the relay, it's not encased in plastic or canned, try lowering the spring tension. If you can't change the tension enough, try a weaker spring. Something the coil can overcome with 12Vs applied.

If this works tell me. If not. Please no flames. It's only an idea.

Jack McDermott

From: W0E0M@aol.com
Message-ID: <d3.4af79d2.2659e12c@aol.com>
Date: Sun, 21 May 2000 21:02:36 EDT
Subject: Re: 1 Fine book by Mary T. Loomis
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

frank - a source i have says cousin.

Will

Message-Id: <3.0.3.32.20000521214144.00d8baf8@mindspring.com>
Date: Sun, 21 May 2000 21:41:44 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>
Subject: Re: 1 Fine book by Mary T. Loomis
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:02 PM 5/21/00 EDT, W0E0M@aol.com wrote:
>frank - a source i have says cousin.
>
>Will

That's what I recall as well....
/John

Message-ID: <000801bfc3b7\$e3b3b4e0\$06c46ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: name this variable cap. ?
Date: Sun, 21 May 2000 23:35:13 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This variable capacitor, can you tell me what
it came out of?

5-gang, marked C-123, each section same,
about 350 pF, has gain control pot ganged to
capacitor, has 2 black circular disks, marked
0 - 1000 in 180 degree travel, and 0-100 in
360 degree travel.
Probably out of some kind of navigation
receiver? Oh no, not a DZ !?
TNX, Hue Miller

Message-ID: <000a01bfc3b8\$553504c0\$06c46ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: early Ocean Hopper
Date: Sun, 21 May 2000 23:38:24 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an Ocean Hopper that uses a 117P7 tube, the other tube has the number rubbed off. What would that number be?
Also, the regen and tune set knobs, what style are they? This one has 2 knobs with arrow on flat front, look like filament current control knobs off some 1920s battery set, and partly obscure the TUNE and REGEN panel markings, the size makes me think they are nonoriginal.
Also, where does this guy fit in the Ocean Hopper family?
Tnx, Hue Miller

Message-ID: <000c01bfc3b8\$c7769760\$06c46ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help with old regen circuit
Date: Sun, 21 May 2000 23:41:35 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a home built regen, very nicely built, no docs naturally.
It uses tubes 41, 6SQ7, 6SQ7, and ?? looks like ?? 6C6 (number burned off). This seems like an odd mix of tubes, has anyone seen a published schematic using the 6SQ7 in such a set? I have not yet traced the circuit to see what the diodes are doing. I am sure it's regen, not some kind of TRF: the ??6C6 ?? is shielded, and there's a trimmer between the ant. and the plug in coil.
Tnx, Hue Miller

Date: Mon, 22 May 2000 02:32:36 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: name this variable cap. ?
Message-ID: <Pine.SUN.3.91-FP.1000522023133.24278H-1000000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Oh no, not a DZ !?

Damn good guess. You win a cigar.

William Donzelli
aw288@osfn.org

Date: Mon, 22 May 2000 06:19:35 -0400
From: "Robert G. Flory" <RobandPJ@compuserve.com>
Subject: Breting RX
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200005220619_MC2-A5DC-7956@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Hello,

I would like to contact those who have or have worked on Breting 14s for communication off list. Delving into a recently acquired one and have questions.

Thanks, Rob K2WI

Date: Mon, 22 May 2000 06:31:29 -0400
From: polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <200005221031.GAA10040@aaa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: DZ-2 aka name this variable C ?

Hue & Wm.

DZ-2 answer is exactly right, but u knew that Wm.

Either of ya looked @ a diagram to see why so much stuff (5 C-sections [no neo-natal pun intended] and a var. R) was needed?

Think DZ-2 mighta been 1st NDB RX w. "2nd null eliminator ckt?"

If B24 "Lady-Be-Good" had DZ-2 rather than SCR-506 loop she might not now be in the Sahara.

M

And on the Amelia Earhart thread, someone sed the ancient ('38) radiomarine DZ-2 std. on the end-of-war Martin Mariner. Ida thot std.-base tube eqpt. wudda been gonzo by then.

Date: Mon, 22 May 2000 04:50:56 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Ocean Hopper
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FUY00G6SM8K4P@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Knights of the kit;

Way back in the 8th grade our teacher, just starting his "tour of duty", had the idea of starting a science class. It passed muster and so the last hour of the day was devoted to science and it wasn't long before ideas for projects began to emerge. One of those was promulgated by a few of us fledgling radio nuts and it was soon decided to purchase and assemble a radio kit as a project. After donning our financial manager hats we arrived at a consensus: The Knightkit Ocean Hopper was just right for our budget. Well, the story ends sadly. The new teacher was very green at maintaining discipline in his classes and he was soon under pressure to cut back on the free wheeling nature of our science class adventures and in time the effort to get the Ocan Hopper wired and operational petered out. The partially finished rig was eventually raffled off and that was the last we heard of it. Too bad, it was a real set back for us enthusiasts but the spark didn't die and we were able to take a radio shop class in our freshman year of high school. That class was conducted by Hank Davis, W6DTV, bless his memory.

BTW, the Knight Kit Bulletin Board has a posting by WA6VVL who supplies a manual for the Ocean Hopper:

<<http://pluto.beseen.com/boardroom/t/18370/View?n=01645>>

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: "Grant Youngman" <nq5t@home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 22 May 2000 07:50:57 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Ocean Hopper
Message-ID: <3928E6E2.24293.F58A669@localhost>

A pic of my OH showing correct knob styles. Same knobs were used on all of the OH variants as far as I know.

<http://home1.gte.net/nq5t/misc/hopper.jpg>

Grant

Grant Youngman -- NQ5T
nq5t@home.com
<http://www.globeking.com>
Double Oak, TX (near Dallas)

Message-Id: <200005221323.JAA11395@sparticus.bright.net>
From: tony@bright.net
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 22 May 2000 09:11:39 -0400
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Dayton Report

Hi Gang,

I went, I saw, I had a good time. From the looks of it, everyone else did, too.

I was only able to attend on Friday, but made the most of the day. Once again, the weather fooled the forecasters; I prepared for cold and wet but enjoyed the warm and sunny day that unfolded.

Attendance in the Flea Markets (oops, Outside Exhibits) seemed up a little from last year, and the buying and selling activity was terrific. I managed to sell most of my junk (er, treasures) by 11:00 AM, and spent most of the days crusing for bargains.

I was very pleased to find a Hammarlund SP-400 with matching speaker, power supply, and original manual. This SP-400 is the first I've seen in person, and it is in excellent condition. A Drake R-4/T-4X combo made the trip home with me as well. A few other Boatanchor offerings of note (seen but not purchased):

Stewart-Warner R-390A \$200 (wrapped in plastic - does that make it worth more?)
R-390A (no tag) \$500 firm (no plastic on this one, but it needed it to hide the grunge)
Hallicrafters S-36A \$110
Hallicrafters SX-9 \$300 (looked pretty nice)
Hallicrafters SX-42 \$300 (recapped, new paint)
Heathkit DX-60s \$90 (two to make one good one)
Hallicrafters SX-111 w/speaker \$250 (very clean)
National HRO-5TA1, three coils, very grungy \$125 (shoulda bought)
National FB-7 w/preselector, coils \$425

I passed by several others; they looked expensive from a distance.

I was pleased to see the limited number of computer vendors in the Flea Market this year; the offerings were predominately radios and test equipment. Many of the vendors had old parts for a change, too.

No bees.

A great Dayton overall; aren't they always?

73,

Tony W8HRO

Date: Mon, 22 May 2000 08:25:41 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>

To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Relays
Message-ID: <Pine.OSF.3.96.1000522082230.11886A-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 21 May 2000 Jderm740@aol.com wrote:

>
> If you can get to the relay, it's not encased in plastic or canned, try
> lowering the spring tension. If you can't change the tension enough, try a
> weaker spring. Something the coil can overcome with 12Vs applied.

I have done that myself. In some applications that works quite well. If you decrease the spring tension, you slow down the release time, which may or may not be a problem. Sometimes this can increase arcing, which is bad. If arcing is not a problem, OK.

If the relay has extra contacts, sometimes you can wire two or more sets in SERIES. This, in effect, speeds up the release time since what you are doing is multiplying the distance/time relationship.

"Nostalgia is a thing of the past"

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PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY

Message-ID: <20000522171240.9401.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: 1927 Test Box
Date: Mon, 22 May 2000 13:08:27 -0400
MIME-Version: 1.0
Content-Type: text/plain

For Sale

Message-ID: <20000522171429.22312.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: 1927 Test Box
Date: Mon, 22 May 2000 13:10:17 -0400
MIME-Version: 1.0
Content-Type: text/plain;

charset="ISO-8859-1"

> For Sale

>

1927 Resistor Substitution box? Or Inductance Standard? This is a 13"L x 7"W x 5"H wooden box with a bakelite top. Mounted in the top are 2 rows of 8 egg-shaped connectors. The connectors are butted up against one another. The connector "eggs" are labeled 1-2-4-etc-up-to 4000. Brass pins can be used to link any two connectors by placing the pin in the slot provided for this purpose between each of the 2 "eggs." In this way, any number of "eggs" can be linked in series easily. 2 taller brass pins with binding posts on top are also provided. These can be inserted into the center of each "egg" or between them and used to pick up the other end of the resistance. Inside the box, directly underneath each egg, is a coil of very fine wire on a wooden bobbin about 3" long. As the number on the egg goes up, the number of turns on the bobbin does too. A paper tag on the side of the unit is partially obliterated. But here is what is readable:
"Manufacturer's guarantee Accuracy 1/5 of 1%. Heat generated in coils should not exceed 1 wa_____oil for moderate accuracy or 0.3 _____il for extreme accuracy. Lester F. Boss 11-10-27." Dirty but in very nice condition. Neat radio collectible. Came out of local Westinghouse research lab and is tagged as such. As-is. \$65

--Don Merz, N3RHT

End of BOATANCHORS Digest 2898
